



0. Summary	The Wasp Roller Banner (black powder-coated variant) is a portable display system consisting of a retractable aluminium base unit with an internal spring mechanism, a printed polyester graphic panel, and support components (pole, end caps). The powder coating is a surface finish applied to the aluminium housing and does not materially change the recyclability pathway.																												
1. What the Product is Made Of Typical construction breakdown:	•Base unit housing: Aluminium (black powder-coated) •Internal spring mechanism: Steel •Graphic panel: Printed polyester film/banner •Support pole: Aluminium •End caps / feet: Injection-moulded plastic •Fixings / connectors: Small mixed materials (metal/plastic)																												
2. Overall Recyclability Rating: AMBER Reason:	Core structure (aluminium + steel) is highly recyclable (GREEN). However, the polyester graphic and mixed plastic components reduce overall recyclability due to limited kerbside collection and reliance on specialist routes. The product passes classification and collection for major components but is limited at Stage 2–4 (collection/sortation/reprocessing) for textiles and mixed plastics.																												
3. RAG Component Ratings Table	<table><tr><th>Component</th><th>Material</th><th>RAM Rating</th><th>Reason</th></tr><tr><td>Base housing</td><td>Aluminium</td><td>GREEN</td><td>Widely collected; coating does not prevent recycling</td></tr><tr><td>Internal spring</td><td>Steel</td><td>GREEN</td><td>Widely recycled via metal streams</td></tr><tr><td>Support pole</td><td>Aluminium</td><td>GREEN</td><td>High value, easily recyclable</td></tr><tr><td>Graphic panel</td><td>Polyester</td><td>AMBER</td><td>Requires specialist textile recycling</td></tr><tr><td>End caps / feet</td><td>Mixed plastics</td><td>AMBER</td><td>Limited kerbside acceptance depending on polymer</td></tr><tr><td>Fixings / connectors</td><td>Mixed materials</td><td>AMBER</td><td>Difficult to separate; may reduce recyclability</td></tr></table>	Component	Material	RAM Rating	Reason	Base housing	Aluminium	GREEN	Widely collected; coating does not prevent recycling	Internal spring	Steel	GREEN	Widely recycled via metal streams	Support pole	Aluminium	GREEN	High value, easily recyclable	Graphic panel	Polyester	AMBER	Requires specialist textile recycling	End caps / feet	Mixed plastics	AMBER	Limited kerbside acceptance depending on polymer	Fixings / connectors	Mixed materials	AMBER	Difficult to separate; may reduce recyclability
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5. Sustainability Benefits	High recyclable metal content (majority aluminium/steel) Long product lifespan with replaceable graphics (reduces full unit replacement) Lightweight design lowers transport emissions Powder coating avoids solvent-based paints, reducing VOC emissions																
6. Important Note on RAM Applicability	This product is not classified as packaging, so the assessment above is RAM-aligned rather than formal RAM scoring. Only the packaging section below follows full UK/EU RAM methodology.																
7. Component Table (Indicative Mass %)	<table><tr><th>Component</th><th>Approx. % of Total Mass</th></tr><tr><td>Aluminium base + pole</td><td>60–70%</td></tr><tr><td>Steel spring</td><td>5–10%</td></tr><tr><td>Polyester graphic</td><td>15–20%</td></tr><tr><td>Plastics (end caps etc.)</td><td>5–10%</td></tr><tr><td>Misc. fixings</td><td><5%</td></tr></table>	Component	Approx. % of Total Mass	Aluminium base + pole	60–70%	Steel spring	5–10%	Polyester graphic	15–20%	Plastics (end caps etc.)	5–10%	Misc. fixings	<5%				
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Packaging Overall Rating: GREEN (with separation) Key Requirement: Parcel tape must be removed before recycling cardboard.	Packaging End-of-Life Instructions Cardboard box: Flatten, keep clean/dry, recycle kerbside Parcel tape: Remove and dispose in general waste Silica gel: Reuse where possible; otherwise dispose in residual waste																

Disclaimer: This assessment is based on the best available information regarding product composition, typical material specifications, and current UK & EU recycling infrastructure at the time of writing. Recyclability outcomes are indicative only and may vary depending on local authority collection systems, waste management practices, and the availability of specialist recycling routes. The RAM (Recyclability Assessment Methodology) framework has been applied where relevant; however, it is designed primarily for packaging materials. Assessments of non-packaging product components are therefore aligned to RAM principles rather than formally certified under the methodology. Material compositions are assumed based on standard manufacturing practices unless otherwise specified. Any variations in actual materials, finishes, or assembly methods may affect recyclability ratings. End-of-life recommendations are provided as general guidance only. Users are responsible for ensuring compliance with local regulations, particularly in relation to WEEE, textiles, and mixed-material waste streams. No warranty is given regarding the accuracy, completeness, or suitability of this assessment for regulatory or compliance purposes.